

FOOD AFFECTS BUTTER.

This Fact Is Now Recognized by Scientists and Dairymen Here and Abroad.

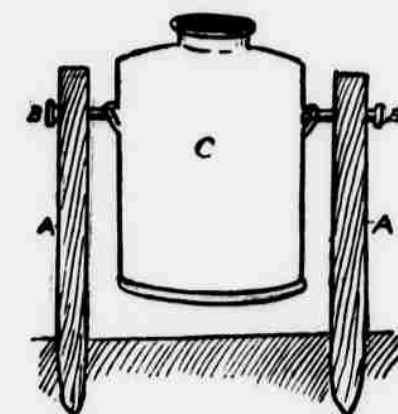
Butter product of a cow cannot be increased by feeding fatty substances, but the quality of the butter can be always affected in that way. For this reason the chemists are having no little difficulty in determining the purity of butter when the cows have been fed on certain foods, such as oil cake. It is found on analysis that toward the end of a cow's lactation the volatile acids in the butter fat become few. It has also been found by a Swedish professor that cows exposed to cold and wet weather give butter fats that have in them a comparatively small amount of butyric acid. Even the Dutch butter made in the fall of the year when the nights are cold and weather conditions bad have such a small amount of volatile acids in them that it has often been supposed that the butter was mixed with oleomargarine. We have not infrequently seen butter in this country that appeared to have no more flavor than oleo. In fact the writer was so sure at one time that he had been sold oleomargarine for butter that he sent a sample to the Michigan agricultural college for analysis. It proved to be pure butter. When pasture conditions are good the proportion of volatile acids is high and this gives a butter of high flavor. When the cows are stabled and well fed in winter the volatile acids again appear in the butter to an appreciable extent. Nearly all foods have some influence on the flavor of butter.

Green fodder gives a butter that is low in the melting point and quite rich in volatile acids—therefore it has high flavor. It is somewhat surprising to note that silage gives a butter that has a high melting point, and the same is true of hay. The feeding of grains favors the increase of volatile acids. Oats, cotton cake, peas and beans are beneficial in their effects on butter. Feeds containing much sugar exert a rather deteriorating effect on the butter fat. Cows that have been fed on cottonseed meal show a reaction for cottonseed oil when analyzed, up to one per cent. of oil. It follows that an analyst might declare that a butter had been mixed with cottonseed oil when the cow had only been fed cottonseed meal. However, if the analysis showed more than one per cent. it might be regarded as reasonably certain that the oil came in otherwise than through the cow. But in the case of sesame oil a test carried on in England showed no reaction for that oil after the sesame cake had been fed for two months. In some of the countries of Europe sesame oil must be put into oleomargarine so that it can be put into analysis to distinguish from butter.—Farmers' Review.

HOLDER FOR MILK CANS.

A Simple Contrivance Which Assures Cleanliness and Saves a Lot of Annoyance.

Holding a milk can while washing is made easy by my plan, as shown. Water can be emptied from the can and the



SECURE CAN HOLDER.

bottom washed without lifting the can. Drive two stakes, a, a, in the ground, and in each place a bolt, b, b, so it will fit into the handle of the can, c. The can will swing readily or may be taken down.—W. A. Sheaf, in Farm and Home.

TIMELY DAIRY NOTES.

Beat time, but don't beat the cow. The summer silo is cheaper than pasture any day. It is not a good plan to paint a silo on the inside. If you trust too much to pasture, dry weather may make havoc with your profits. Keep the cow stable whitewashed and have no manure about to impart its effluvia to the milk. Water the calf. It gets dry. Have some shade for it and some grass or hay; it will say thank you by growing and will make a better cow or ox. There is but one criterion of fine quality of cream; it must be sweet and fresh, so that it can be pasteurized and cooled. It should be hauled every day in summer and every other day in winter, to the skimming or cream receiving station. To make a cow specially profitable for beef, while supplying milk for a small family, let the cow be disposed by nature to heavy quarters, as Herefords, Holsteins, Durhams and come in early and be continued in milk from year to year, with no other calf.—Farm and Home.

A Reller.

The wind was whistling shrilly about the eaves, now high now low, but unceasingly whistling. Outside all was gloom, and in the large draughty hall where the lights flickered sat a man who was listening to the whistling of the wind. Though the scene was one which an old-time novelist would have used in order to give an impression of misery or lead up to a midnight murder, the man in the gusty hall was the picture of happiness. But see! Another now enters. They converse. Let us listen.

"It is an awful night. How the wind whistles!"

"Yes. Isn't it lovely to hear the wind?"

"What? Do you enjoy it?"

"Certainly! Though it has been whistling for an hour, it hasn't whistled one of those cursed popular airs that make our lives one long nightmare. Let it whistle on."—N. Y. World.

Found a Fossil Cypress Swamp.

During a recent excursion to Bodkin Point, at the mouth of the Patuxent, under the auspices of the Maryland Geological Survey and the Woman's College museum, a fossil cypress swamp deposit was found buried 12 feet beneath the surface, it having been exposed to view by the action of the waves in wearing away the bay cliffs. Numerous cypress stumps were seen in upright position, with their roots in place, and exhibiting the peculiar "knees" characteristic of these trees. Some of the stumps were of gigantic dimensions, the largest measuring about ten feet in diameter at the top. The stumps, roots and trees are in a surprising state of preservation as soft brown lignite.—Baltimore Sun.

Adaptability in Business.

Adaptability, deemed priceless in social success, plays no less a part in business life, as the English cotton manufacturers have discovered to their sorrow. Turkey-red handkerchiefs were popular in Russia, but the women wanted them square. The Lancashire makers sent them oblong. The Russian shopkeepers protested, but as change would involve alteration of machinery, the Russian women had still to scrow the oblong kerchiefs round their heads. Then the gallant German appeared. He bowed effusively to feminine fashion, did not begrudge the needful machinery, got the trade, and deserved it.—Youth's Companion.

A New Instrument.

Farmer Note—You young chaps snag they carols wonderful well. I wish we could have a choir in our parish. How long did it take you to get you lot to rights?

Organist—Not very long. There were two or three singers when I came, and it's always easier to get on when one has a nucleus to start with.

"We ain't got one of them things; our chap has a harmonium. P'raps we might send 'round the hat, though. How much do they cost?"—Fun.

Value of Antiseptic Surgery.

During the Crimean war more than one-half (63.5 per cent.) of the amputations that were performed resulted in death. In the American civil war the mortality from amputation was still 48.1 per cent., but in 1890 the statistics of amputation showed that the mortality had been reduced to 6.9 per cent. The value of antiseptic surgery is thus shown.—Kansas City Journal.

THE MARKETS.

New York, Sept. 22.	
CATTLE—Native Steers	4.25 @ 5.00
COTTON—Middling	11 1/2 @ 11 3/4
FLOUR—Winter Wheat	3.75 @ 4.20
WHEAT—No. 2 Red	82 1/2 @ 84 1/2
CORN—No. 2	57 1/2 @ 58 1/2
OATS—No. 2	32 @ 33
PORK—Mess (new)	15.25 @ 16.25
ST. LOUIS.	
COTTON—Middling	11 @ 11 1/2
BEEVES—Steers	4.00 @ 5.00
COWS and HEIFERS	2.50 @ 3.50
CALVES—per 100 lbs.	6.00 @ 6.50
HOGS—Fair to Choice	6.00 @ 6.12 1/2
SHEEP—Fair to Choice	3.00 @ 3.50
FLOUR—Patents	4.10 @ 4.20
Other Grades	3.20 @ 4.00
WHEAT—No. 2 Red	82 1/2 @ 84 1/2
CORN—No. 2	57 1/2 @ 58 1/2
OATS—No. 2	32 @ 33
RYE—No. 2	57 1/2 @ 58 1/2
WOOL—Tub Washed	12 @ 12 1/2
Other Grades	12 @ 12 1/2
HAY—Clear Timothy (new)	8.50 @ 12.00
BUTTER—Choice Dairy	21 @ 22
BACON—Clear Ribs	10 @ 10 1/2
EGGS—Fresh	13 1/2 @ 14
LARD—Choice Steam	12 @ 12 1/2
PORK—Standard Mess (new)	15 @ 15 1/2
CHICAGO.	
CATTLE—Native Steers	4.50 @ 5.50
HOGS—Fair to Choice	5.75 @ 6.25
SHEEP—Fair to Choice	3.50 @ 4.25
FLOUR—Winter Patents	3.50 @ 4.10
Spring Patents	4.20 @ 4.60
WHEAT—No. 3 Spring	80 @ 87
No. 2 Red	78 @ 79
CORN—No. 2	49 1/2 @ 50
OATS—No. 2	32 @ 33
PORK—Mess	13.25 @ 13.75
KANSAS CITY.	
CATTLE—Native Steers	4.75 @ 5.10
HOGS—Fair to Choice	5.50 @ 6.00
WHEAT—No. 2 Red	80 @ 81
CORN—No. 2	56 @ 57
OATS—No. 2	31 @ 32
NEW ORLEANS.	
FLOUR—High Grades	4.25 @ 4.90
CORN—No. 2	50 @ 51
OATS—No. 2	30 @ 31
HAY—Choice	17.00 @ 17.50
PORK—Standard Mess	15 @ 15 1/2
BACON—Short Rib Sides	9 1/2 @ 10
COTTON—Middling	10 @ 10 1/2
LOUISVILLE.	
WHEAT—No. 2 Red	80 1/2 @ 81
CORN—No. 2	52 @ 53
OATS—No. 2	30 @ 31
BACON—Short Ribs	9 1/2 @ 10
COTTON—Middling	10 @ 10 1/2

YANKEE INVENTIONS.

Chinese Newspaper in the Philippines Describes an Ingenious American Contrivance.

Admiral Dewey was a prominent figure at the Saratoga races. Usually he occupied a box. One afternoon a little party of farmers came up to shake hands with him, and thereafter, naturally, the talk turned to agriculture, says the Boston Post.

"When I was in the Philippines," said Admiral Dewey, "an American resident brought me, one day, a Chinese paper. He said that paper would interest me, because it contained an account of an American invention. Then, with a smile, he translated a paragraph that ran something like this:

"The ingenuity of the Yankee is typified well in a hen's nest that he has recently invented and patented. This nest increases the laying capacity of the hen to an unlimited degree. In the bottom of it there is a trap door, governed by a delicate spring. The hen lays an egg, the weight of which causes the trap door to open, whereupon the egg drops down into a subterranean compartment, and the door closes very swiftly and silently again. The hen gets up, turns to look at the egg, but sees none there. So she decides that she must be mistaken in thinking she had laid, and she sits down again and deposits another egg, when, like its predecessor, disappears. The process continues indefinitely.

Proper Distinction.

Little Mary's big sister was engaged to Mr. Brown, who was away on an outing trip with Mary's brother. Her father was writing to his son and prospective son-in-law and asked the little girl if she had a message to send to Mr. Brown.

"What shall I say, papa?" asked she.

"Why," said the father, "I believe it is the fashion to send your love."

Some minutes later her father inquired: "And what shall I say to brother Tom?"

"Well," replied the little miss, with a sigh, "you may send my fashionable love to Mr. Brown and my real love to Brother Tom."—Philadelphia Press.

Texas Finds a Remedy.

Fate, Tex., Sept. 21.—Texas has seldom, if ever, had such a profound sensation as that caused by the introduction recently of a new remedy for kidney diseases. This remedy has already been tried in thousands of cases, and in almost every case the results have been wonderful.

Henry Vaughan, of Rural Route No. 3, Fate, says of it:

"I suffered with kidney trouble for over 18 months. I was very bad and could get nothing to help me till I heard of the new remedy, Dodd's Kidney Pills. I began to use these pills, and very soon found myself improving. I kept on and now can say I am absolutely cured and free from any symptom of my old trouble."

"I am very glad I heard of this wonderful remedy and I would strongly advise anyone suffering with kidney trouble to try it, for I know it will cure."

Her Degree of Courage.

Amie had been suffering from toothache for several days. At last she consented to go with her papa to the dentist. When she was starting, her mamma said: "Now, dearest, be a brave little girl. Snow fortitude, and mamma will be proud of you."

In due time Amie returned. "And did you show fortitude?" mamma inquired. Amie hesitated. "It hurted awful, mamma! I guess (reflectively) I showed about twenty-five."—Kansas City Journal.

Cheap Excursion to the South.

On Oct. 20th the Kansas City Southern Ry. (Port Arthur Route) will run a cheap excursion from Kansas City and all stations in Missouri and Kansas to Lake Charles, Shreveport, Beaumont and Port Arthur. The rate for the round trip will be \$15, limited to 21 days from date of sale, good to stop over on going trip at all points en route, provided final destination is reached inside of 15 days from date of sale. This exceptionally low rate, together with liberal stopover privileges allowed, should insure a great crowd, especially in view of the fact that this is the most delightful season of the year to visit the Southland. Similar low rates will probably be placed in effect from points north and east of Kansas City. Ask your ticket agent.

Every effort will be made by the Company to secure the safety and comfort of its patrons. All inquiries relative to desirable locations to visit or other information will be cheerfully furnished. Address either S. G. Warner, G. P. & T. A., F. E. Roeder, T. P. & L. A. or J. H. Morris, T. P. A., Kansas City, Mo.

Laundered.

Fat Wymen (after the museum fire)—I miss the fattest man.

Manager—Oh, he's down here, but you don't recognize him without his decorations. You see, the firemen accidentally turned the hose on him.—Philadelphia Record.

Stops the Cough.

and works off the cold. Laxative Bromo Quinine Tablets. Price 25 cents.

"What is that you're baking there, my dear," inquired young Mr. Newblow, "bread or some cake?" "I don't know. I have not finished yet," replied the young bride.—Philadelphia Press.

Opium and Liquor Habits Cured.

Book free. B. M. Woolley, M. D., Atlanta, Ga.

Foolish—"Do you think it wrong to play golf on Sunday?" Niblick—"I think it wrong to play such a game as you do on any day of the week."—Boston Transcript.

Piso's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. Samuel, Ocean Grove, N. J., Feb. 17, 1900.

He—"Her age surprised me greatly. She doesn't look 30, does she?" She—"No; not now. I suppose she did, though, at one time."—Philadelphia Press.

Chicago, St. Paul Minneapolis, four daily trains via the Chicago & North-Western Ry.

Nell—"Yes, we're engaged, but I took my time about accepting him." Belle—"Indeed? Waited until he actually proposed, did you?"—Philadelphia Ledger.

Perfectly simple and simply perfect is dyeing with Putnam Fadeless Dyes.

A man's judgment on others is his verdict on himself.—Ran's Horn.

TRIED BY TIME.

Eugene E. Lario, of 751 Twentieth Avenue, ticket seller in the Union Station, Denver, Col., says:

"You are at liberty to repeat what I first stated through our Denver papers about Doan's Kidney Pills in the summer of 1899, for I have had no reason in the interim to change my opinion of the remedy. I said when first interviewed that if I had a friend and acquaintance suffering from backache or kidney trouble I would unhesitatingly advise them to take Doan's Kidney Pills. I was subject to severe attacks of backache, always aggravated if I sat long at a desk. It struck me that if Doan's Kidney Pills performed half what they promised they might at least help. This induced me to try the remedy. It absolutely stopped the backache. I have never had a pain or twinge since."

A FREE TRIAL of this great kidney medicine which cured Mr. Lario will be mailed to any part of the United States on application. Address Foster-Milburn Co., Buffalo, N. Y. For sale by all druggists, price 50 cents per box.

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Genuine

Carter's Little Liver Pills.

Must Bear Signature of

Wm. Wood

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Very small and as easy to take as sugar.

CARTER'S LIVER PILLS.

FOR HEADACHE. FOR DIZZINESS. FOR BILIOUSNESS. FOR TORPID LIVER. FOR CONSTIPATION. FOR SALLOW SKIN. FOR THE COMPLEXION.

CHARTERED MUST HAVE SIGNATURE.

CURE SICK HEADACHE.

DO YOU COUGH?

DON'T DELAY TAKE **KEMP'S BALSAM** THE BEST COUGH CURE

It Cures Colds, Coughs, Sore Throat, Croup, Inducement, Whooping Cough, Bronchitis and Asthma. A certain cure for Consumption in first stages, and a sure relief in advanced stages. Use at once. You will see the excellent effect after taking the first dose. Sold by druggists everywhere. Large bottles 25 cents and 50 cents.

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They equal those that have been costing you from \$4.00 to \$5.00. The immense sale of W. L. Douglas shoes proves their superiority over all other makes.

Sold by retail shoe dealers everywhere. Look for name and price on bottom.

That Douglas uses Corona Collar proves there is value in Douglas shoes. Corona is the highest grade Pat. Leather made. Full Color Equestrian used.

Our \$4.00 Edge Line cannot be equalled at any price, shown by mail, 25 cents extra. Illustrated Catalog free. W. L. DOUGLAS, Brockton, Mass.

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